

Amendments to the Claims

~~This listing of claims will replace all prior versions and listings of claims.~~

1-11. (cancelled)

a1 12. (original) The isolated polypeptide of claim 11, comprising a polypeptide having SEQ ID NO:Y.

13. (original) An isolated antibody that binds specifically to the isolated polypeptide of claim 11.

14-16. (cancelled)

17. (original) A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polynucleotide of claim 1.

18. (original) A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.

19. (original) A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

20. (original) A method for identifying a binding partner to the polypeptide of claim 11 comprising:

(a) contacting the polypeptide of claim 11 with a binding partner; and

(b) determining whether the binding partner effects an activity of the polypeptide.

21. (cancelled)

22. (original) A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount the polypeptide of claim 11.

23. (new) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding amino acid residues 1 to 67 of SEQ ID NO:7; and

(b) a polynucleotide comprising nucleotides 1 to 1832 of SEQ ID NO:2.

24. (new) The isolated nucleic acid molecule of claim 23, wherein said polynucleotide is (a).

25. (new) The isolated nucleic acid molecule of claim 23, wherein said polynucleotide is (b).

26. (new) The isolated nucleic acid molecule of claim 23 wherein the polynucleotide further comprises a heterologous polynucleotide.

27. (new) The isolated nucleic acid molecule of claim 26 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

28. (new) A vector comprising the isolated nucleic acid molecule of claim 23.

29. (new) The vector of claim 28 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

30. (new) A recombinant host cell comprising the isolated nucleic acid molecule of claim 23.

31. (new) The recombinant host cell of claim 30 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

32. (new) A method for producing a polypeptide, comprising:

- (a) culturing the recombinant host cell of claim 30 under conditions suitable to produce the polypeptide encoded by said polynucleotide; and
- (b) recovering the polypeptide from the cell culture.

33. (new) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in plasmid HATBM23 in ATCC Deposit No. PTA1452; and
- (b) a polynucleotide comprising the cDNA clone contained in plasmid HATBM23 in ATCC Deposit No. PTA1452.

34. (new) The isolated nucleic acid molecule of claim 33, wherein said polynucleotide is (a).

35. (new) The isolated nucleic acid molecule of claim 33, wherein said polynucleotide is (b).

36. (new) The isolated nucleic acid molecule of claim 33 wherein the polynucleotide further comprises a heterologous polynucleotide.

37. (new) The isolated nucleic acid molecule of claim 36 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

38. (new) A vector comprising the isolated nucleic acid molecule of claim 33.

39. (new) The vector of claim 38 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

40. (new) A recombinant host cell comprising the isolated nucleic acid molecule of claim 33.

41. (new) The recombinant host cell of claim 40 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

a' 42. (new) A method for producing a polypeptide, comprising:

- (a) culturing the recombinant host cell of claim 40 under conditions suitable to produce the polypeptide encoded by said polynucleotide; and
 - (b) recovering the polypeptide from the cell culture.
-